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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. *	
10/734,280	12/15/2003	Lin Lin	38898-0054	1770	
Mr. William B	7590 01/10/2007 Vass		EXAM	IINER	
c/o Ridout & Maybee LLP			CHOI, WOO H		
Suite 2400 One Queen Street East			ART UNIT	PAPER NUMBER	
Toronto, ON M			2189		
CANADA				·	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE		
3 MONTHS		01/10/2007	PAI	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary		Application	No.	Applicant(s)					
		10/734,280	1	LIN ET AL.					
		Examiner		Art Unit					
		Woo H. Choi		2189					
Period fo	The MAILING DATE of this communication app or Reply	pears on the co	over sheet with the co	orrespondence address					
WHIC - Exter after - If NO - Failu Any r	CORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAISIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS 36(a). In no event, will apply and will ex	COMMUNICATION however, may a reply be time expire SIX (6) MONTHS from to tion to become ABANDONED	. Ply filed the mailing date of this communicated (35 U.S.C. § 133).					
Status				•					
1) 又	Responsive to communication(s) filed on 20 Oc	ctober 2006							
	This action is FINAL . 2b)⊠ This action is non-final.								
3)	,3								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.								
	4a) Of the above claim(s) <u>9.10 and 17-20</u> is/are withdrawn from consideration.								
	5) Claim(s) is/are allowed.								
6)🖂	6)⊠ Claim(s) <u>1-8 and 11-16</u> is/are rejected.								
7)	Claim(s) is/are objected to.								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers								
9) 🗌 .	The specification is objected to by the Examine	er.							
	The drawing(s) filed on is/are: a) acce		objected to by the E	xaminer.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority u	nder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:									
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachment	c(s)								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)									
	Paper No(s)/Mail Date 6) Other:								

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DETAILED ACTION

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1 8 and 11 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Parker (US Patent No. 6,535,949).
- 3. With respect to claims 1, 4, 5, 11 and 14, Parker discloses a memory device (figure 1, 24) for storing data, said data including metadata, said memory device comprising:

a static volume comprising a plurality of static blocks (col. 11, lines 7 - 17, logs, or alternatively data item, see figure 4 and col. 8, 21 - 27, 58 - 67) and each of said static blocks comprising a plurality of sectors (figure 3, a flash erase block comprise multiple sectors);

a dynamic volume comprising a plurality of dynamic blocks (col. 11, lines 7 - 17), and each of said dynamic blocks comprising a plurality of sectors (figure 3,);

each of said dynamic blocks having one of said sectors allocated for writing and reading metadata (figure 4, 56, a sector containing a version number), and said remaining sectors in said dynamic block being available for writing and reading data; and

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each of said static blocks having one or more sectors for writing and reading metadata

(56), said remaining sectors in said static block being available for writing and reading data,

wherein each of said sectors comprises a minimum writable portion of said memory

device and each of said blocks comprises a minimum erasable portion of said memory device

(minimum writable and erasable portion of any binary device is a bit).

4. With respect to claims 2, 3, 6, 7, 12, 13, 15 and 16, erasability and movability of flash

memory blocks are inherent features of flash memories and are also explicitly disclosed by

Parker (col. 10, lines 45 - 49).

Response to Arguments

5. Applicant's arguments filed October 20, 2006, have been fully considered but they are not

persuasive. The amended language of the claims does not affect the scope of the claims at all,

because the minimum writable/erasable portion of any storage device is the smallest unit of data,

which in this case is a bit. The Examiner suggests that Applicant define the claimed "dynamic"

and "static" blocks in terms of "erase blocks." An "erase block" is a term often used in the art of

flash memory to refer to a block consisting of the smallest number of sectors that are erased

together in one erase operation.

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Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Woo H. Choi whose telephone number is (571) 272-4179. The examiner can normally be reached on M-F, 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald Bragdon can be reached on (571) 272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Woo W. Choi January 5, 2007